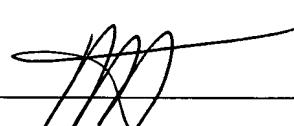


SUBSTITUTE FORM PTO-1390 U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTORNEY'S DOCKET NUMBER 07917-166US1
<b>TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371</b>		U.S. APPLICATION NO. (If known, see 37 CFR 1.5) <b>10/507232</b>
INTERNATIONAL APPLICATION NO. PCT/US03/07323	INTERNATIONAL FILING DATE 7 March 2003	PRIORITY DATE CLAIMED 8 March 2002
TITLE OF INVENTION ALTERING VIRAL TROPISM		
APPLICANT(S) FOR DO/EO/US <b>Michael R. Green et.al.</b>		
Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:		
<ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a filing under 35 U.S.C. 371.</li> <li>3. <input type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.</li> <li>4. <input type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371(c)(2))             <ol style="list-style-type: none"> <li>a. <input checked="" type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))             <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).</li> </ol>		
Items 11 to 20 below concern document(s) or information included:		
<ol style="list-style-type: none"> <li>11. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>12. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>13. <input checked="" type="checkbox"/> A preliminary amendment.</li> <li>14. <input type="checkbox"/> An Application Data Sheet under 37 CFR 1.76.</li> <li>15. <input type="checkbox"/> A substitute specification.</li> <li>16. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>17. <input checked="" type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</li> <li>18. <input type="checkbox"/> A second copy of the published international application under 35 U.S.C. 154(d)(4).</li> <li>19. <input type="checkbox"/> A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).</li> <li>20. <input checked="" type="checkbox"/> Other items or information: Sequence Listing (paper copy (7 pages total); one diskette containing electronic copy of Sequence Listing; Information Disclosure Statement (1 page) and Forms 1449 (2 pgs); International Search Report mailed June 21, 2004.</li> </ol>		
<b>CERTIFICATE OF MAILING BY EXPRESS MAIL</b> Express Mail Label No. <b>EV 382 036 869 US</b> Date of Deposit: <b>September 8, 2004</b>		

U.S. APPLICATION NO. (if known, see 37 CFR 1.5) <b>10/507232</b>	INTERNATIONAL APPLICATION NO. PCT/US03/07323	ATTORNEY'S DOCKET NUMBER 07917-166US1		
21. <input checked="" type="checkbox"/> The following fees are submitted:		<b>CALCULATIONS PTO USE ONLY</b>		
<b>Basic National Fee (37 CFR 1.492 (a) (1) - (5)):</b>				
Neither international preliminary examination fee (37 CFR 1.482) nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO and International Search Report not prepared by the EPO or JPO ..... <b>\$1080</b>				
International preliminary examination fee (37 CFR 1.482) not paid to USPTO but International Search Report prepared by the EPO or JPO..... <b>\$920</b>				
International preliminary examination fee (37 CFR 1.482) not paid to USPTO but international search fee (37 CFR 1.445(a)(2)) paid to USPTO ..... <b>\$770</b>				
International preliminary examination fee (37 CFR 1.482) paid to USPTO but all claims did not satisfy provisions of PCT Article 33(1)-(4)..... <b>\$730</b>				
International preliminary examination fee (37 CFR 1.482) paid to USPTO and all claims satisfied provisions of PCT Article 33(1)-(4) ..... <b>\$100</b>				
<b>ENTER APPROPRIATE BASIC FEE AMOUNT =</b>				
<b>\$730.00</b>				
Surcharge of <b>\$130</b> for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e)).				
<b>\$0.00</b>				
CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	
Total Claims	34 - 20 =	14	x \$18	<b>\$252.00</b>
Independent Claims	7 - 3 =	4	x \$86	<b>\$344.00</b>
MULTIPLE DEPENDENT CLAIMS(S) (if applicable)			+ \$290	<b>\$0.00</b>
<b>TOTAL OF ABOVE CALCULATIONS =</b>			<b>\$1,326.00</b>	
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.			<b>\$663.00</b>	
<b>SUBTOTAL =</b>			<b>\$663</b>	
Processing fee of <b>\$130</b> for furnishing the English Translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f))			<b>\$0.00</b>	
<b>TOTAL NATIONAL FEE =</b>			<b>\$663.00</b>	
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). <b>\$40.00</b> per property +			<b>\$0.00</b>	
<b>TOTAL FEES ENCLOSED =</b>			<b>\$663</b>	
			Amount to be refunded:	\$
			charged:	\$
a. <input checked="" type="checkbox"/> A check in the amount of <b>\$663</b> to cover the above fees is enclosed.				
b. <input type="checkbox"/> Please charge my Deposit Account No. 06-1050 in the amount of <b>\$0.00</b> to cover the above fees. A duplicate copy of this sheet is enclosed.				
c. <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 06-1050. A duplicate copy of this sheet is enclosed.				
<b>NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b) must be filed and granted to restore the application to pending status.</b>				
SEND ALL CORRESPONDENCE TO:				
PTO Customer No: 26161		SIGNATURE	 Janice L. Kugler	
NAME				
50,429				
REGISTRATION NUMBER				